

Converting Colors

$Yxy(43.4332, 0.2510, 0.3163)$

Have a look what the booklet for
Yxy(43.4332, 0.2510, 0.3163)
contains.

Yxy(43.2489, 0.2509, 0.3157)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.2489, 0.2509, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	6DBCC5
RGB	109, 188, 197
RGB Percent	43%, 74%, 77%
CMY	0.5725, 0.2628, 0.2274
CMYK	0.45, 0.05, 0.00, 0.23
HSL	186°, 43%, 60%
HSV	186°, 45%, 77%
XYZ	34.3717, 43.2489, 59.3731
YIQ	165.4050, -49.9730, -13.9490

Conversions

Conversions Part 2

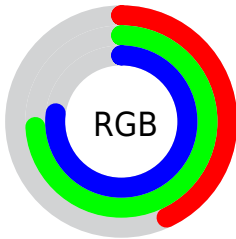
Format	Color
RYB	109, 151, 197
Decimal	7191749
CIELab	71.72, -21.89, -12.15
CIELCh	72, 25.038, 209.024
Yxy	43.2489, 0.2509, 0.3157
Android (android.graphics.Color)	4285381829 (0xFF6DBCC5)
YUV	165.4050, 15.5763, -49.4672
Hunter-Lab	65.7639, -21.7932, -7.4936

Details

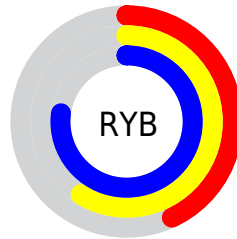
The Yxy color **43.2489, 0.2509, 0.3157** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.9463, 0.4247, 0.3414**, and the grayscale version is **37.7768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8565, 0.2616, 0.3177**, and **20.0412, 0.2345, 0.3125** is the 20% darker color. If you saturate the color by 10%, you get **41.2803, 0.2404, 0.3123**, and if you desaturate by 10%, it is **45.5130, 0.2629, 0.3190**.

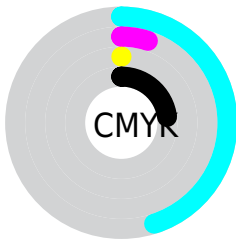
Distribution



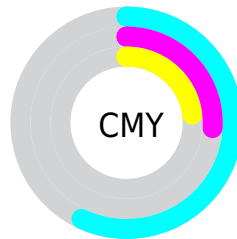
- Red (43%)
- Green (74%)
- Blue (77%)



- Red (43%)
- Yellow (59%)
- Blue (77%)



- Cyan (45%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)





- Cyan (57%)
- Magenta (26%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.2489, 0.2509, 0.3157 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 43.2489, 0.2509, 0.3157 by changing the saturation by 10% instead.


 43.2489, 0.2509,
0.3157


 43.2489, 0.2509,
0.3157


359.6344, 0.2815,
0.3231

 30.0805, 0.2434,
0.3136


 80.0863, 0.2619,
0.3186

 19.8997, 0.2338,
0.3108


 104.5241, 0.2661,
0.3196

 12.3221, 0.2212,
0.3068


 133.4871, 0.2697,
0.3204

 6.9635, 0.2040,
0.3008

 167.3597, 0.2727,
0.3212

 3.4393, 0.1793,
0.2910

206.5264, 0.2753,
0.3218

 1.3651, 0.1399,
0.2732

251.3714, 0.2777,

 0.1908, 0.0000,

0.3223

0.1525

302.2793, 0.2797,
0.3227

0.0000, 0.0000,
0.0000

43.2489, 0.2509,
0.3157

43.2489, 0.2509,
0.3157

41.2803, 0.2404,
0.3123

45.5130, 0.2629,
0.3190

39.5832, 0.2317,
0.3087

48.0848, 0.2762,
0.3222

38.1380, 0.2249,
0.3052


50.9818, 0.2905,
0.3251


36.9199, 0.2200,
0.3017


54.2187, 0.3056,
0.3278


35.8990, 0.2169,
0.2982


57.8095, 0.3210,
0.3303

 35.4042, 0.2156,
0.2963

 61.7670, 0.3366,
0.3325

 66.1036, 0.3521,
0.3345

 68.5559, 0.3581,
0.3365

 69.5238, 0.3576,
0.3386

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.2489, 0.2712, 0.3504



43.2489, 0.2509, 0.3157



43.2489, 0.2463, 0.2875

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



43.2489, 0.2509, 0.3157



43.2489, 0.3193, 0.2846



43.2489, 0.3687, 0.3866

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



43.2489, 0.2509, 0.3157



25.9463, 0.4247, 0.3414

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.2489, 0.3837, 0.3651



43.2489, 0.2509, 0.3157



43.2489, 0.3545, 0.3077

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



43.2489, 0.2509, 0.3157



43.2489, 0.2841, 0.2719



43.2489, 0.3786, 0.3364



43.2489, 0.3389, 0.3933

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.2489, 0.2509, 0.3157



43.2489, 0.2524, 0.2758



43.2489, 0.3786, 0.3364



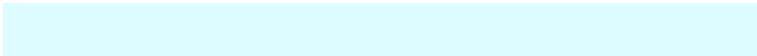
43.2489, 0.3757, 0.3807

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



43.2506, 0.2509, 0.3157



92.0958, 0.2927, 0.3255



44.4997, 0.3010, 0.4534



19.4481, 0.2894, 0.3249



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.2506, 0.2509, 0.3157



73.8607, 0.2403, 0.3122



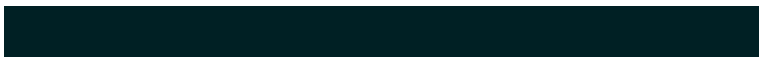
27.2991, 0.2391, 0.2472



11.8745, 0.2984, 0.3266



23.3520, 0.2158, 0.2968



1.1607, 0.2178, 0.3040

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



26.4464, 0.3276, 0.2305



40.3961, 0.3316, 0.2110



38.7565, 0.3973, 0.3981



10.7972, 0.3153, 0.3085



9.8974, 0.3483, 0.1692



0.4742, 0.3419, 0.1657

Previews

White Background



This preview shows how the Yxy color 43.2489, 0.2509, 0.3157 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 43.2489, 0.2509, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.2489, 0.2509, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 43.2489, 0.2509, 0.3157.

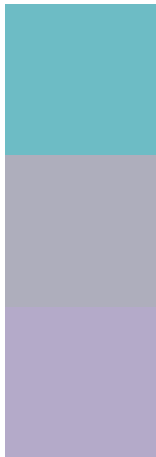


This preview shows how white text looks on a background with the Yxy color 43.2489, 0.2509, 0.3157.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

43.2489, 0.2509, 0.3157

Protanopia

42.9016, 0.3014, 0.3104

Deuteranopia

42.6698, 0.2963, 0.2891



Tritanopia

43.1844, 0.2489, 0.3073

Trichromacy



Original Color

43.2489, 0.2509, 0.3157

Protanomaly

42.4858, 0.2800, 0.3122

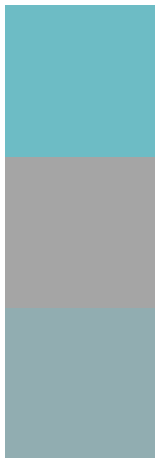
Deuteranomaly

42.4844, 0.2766, 0.2977

Tritanomaly

43.0258, 0.2495, 0.3100

Monochromacy



Original Color

43.2489, 0.2509, 0.3157

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.0812, 0.2857, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.2489, 0.2509, 0.3157 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(109, 188, 197)` looks like.

```
.text, #text, p{  
    color:rgb(109, 188, 197)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(109, 188, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 188, 197) }
```

Border

The CSS property to change the border of an element to Yxy 43.2489, 0.2509, 0.3157 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 188, 197) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(109, 188, 197) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(109, 188, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 188, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 188, 197); box-shadow:4px 4px 4px 4px rgb(109, 188, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 43.2489, 0.2509, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 188, 197) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(109,  
188, 197) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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